

CLAIM SET AS AMENDED

1. (Currently Amended) A method for pointing ~~the beams~~ beams of an electromagnetic wind profiler comprising a stationary antenna matrix with several individual antenna elements comprising the following steps:

- feeding an input signal to the antenna matrix,
- adjusting the phase of the input signal for each of the antenna elements to produce adjusted signals in order to point the beam of the profiler, and
- utilizing separate feeder lines for each beam direction for feeding the adjusted signals to the antenna elements,
- wherein the phase differences between the individual antenna elements are controlled with hybrid coupler elements, and
- an additional row of 180°-hybrid coupler elements are used to create a vertical beam.

2. (Previously Presented) The method in accordance with claim 1, wherein 90°-hybrid coupler elements are used to create four beams tilted in different directions.

3. (Cancelled)

4. (Currently Amended) An apparatus for pointing ~~the beams~~ beams of an electromagnetic wind profiler comprising a stationary antenna matrix with several individual antenna elements comprising:

- means for feeding a signal to the antenna elements,
- means for adjusting the phase of the signal for each of the antenna elements to produce adjusted signals in order to point the beam of the electromagnetic wind profiler, and

- separate feeding means are used for each beam direction for feeding the adjusted signals to the antenna elements,
- wherein the phase controlling means are hybrid coupler elements; and
- an additional row of 180°-hybrid coupler elements are used to create a vertical beam.

5. (Previously Presented) An apparatus in accordance with claim 4, wherein 90°-hybrid coupler elements are used to create four beams tilted in different directions.

6. (Cancelled)